

Complete Summary

TITLE

Post-hospitalization care for mental illness/substance abuse: percentage of discharges that were followed by an ambulatory mental health or substance abuse encounter or day/night treatment with a primary care provider within 7 and 30 days of hospital discharge (MEDDIC-MS).

SOURCE(S)

Department of Health and Family Services, Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS. Medicaid encounter data driven improvement core measure set. Madison (WI): State of Wisconsin; 2003 Jan 1. 47 p.

Brief Abstract

DESCRIPTION

This measure tracks outpatient mental health and/or substance abuse follow-up care services provided by a primary care provider to Medicaid/BadgerCare health maintenance organization (HMO) enrollees within 7 and 30 days of discharge from an inpatient care setting.

See the NQMC measure summaries for the related measures that track outpatient mental health and/or substance abuse follow-up care services provided by either a [specialist mental health/substance abuse provider](#) or by an [other or unspecified provider](#).

RATIONALE

Mental health/substance abuse services are vital to a person's overall health and sense of well-being. Most individuals prefer outpatient services to meet their healthcare needs whenever possible and that is particularly true for mental health needs.

Research supports that there is a causal relationship between early post-discharge follow-up care and lower rates of readmission. One recent study found the relapse rate for individuals seen within 30 days was only 13.5 percent compared to a relapse rate of 25.1 percent when follow-up care was not provided.

PRIMARY CLINICAL COMPONENT

Mental health; substance abuse; post-hospitalization care; ambulatory follow-up

DENOMINATOR DESCRIPTION

Medicaid/BadgerCare enrollees age 6 to 20 years and 21 years and older at the time of discharge who were discharged with a selected mental health or substance abuse diagnosis. The enrollee must have been continuously enrolled without breaks for at least 30 days with the same health maintenance organization (HMO) prior to the date of discharge and for at least 30 days after discharge. The measure look-back period is 12 months (365 days) from the measure end date, but include in the denominator only those discharges occurring within the first 335 days of the look-back period.

NUMERATOR DESCRIPTION

The number of discharges in the denominator that were followed by an ambulatory mental health or substance abuse encounter or day/night treatment with a primary care provider within 7 and 30 days of hospital discharge reporting separate rates for each.

Evidence Supporting the Measure

PRIMARY MEASURE DOMAIN

Process

SECONDARY MEASURE DOMAIN

Access

EVIDENCE SUPPORTING THE MEASURE

A formal consensus procedure involving experts in relevant clinical, methodological, and organizational sciences

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Use of this measure to improve performance

EVIDENCE SUPPORTING NEED FOR THE MEASURE

Department of Health and Family Services, Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS. Medicaid encounter data driven improvement core measure set. Madison (WI): State of Wisconsin; 2003 Jan 1. 47 p.

Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS data book. Medicaid encounter data driven improvement core measure set. Vol. 1, 2002 HMO aggregate performance data. Wisconsin Medicaid

and BadgerCare programs. Milwaukee (WI): Wisconsin Department of Health and Family Services; 2004 Feb 1. 31 p.

Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS data book. Medicaid encounter data driven improvement core measure set. Vol. 2, 2002 HMO performance data. Medicaid program data and BadgerCare program data compared. Madison (WI): Wisconsin Department of Health and Family Services; 2004 Feb 1. 25 p.

Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS data book. Medicaid encounter data driven improvement core measure set. Vol. 3, 2002 HMO-specific performance data. Wisconsin Medicaid and BadgerCare programs. Madison (WI): Wisconsin Department of Health and Family Services; 2004 Feb 1. 36 p.

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Decision-making by consumers about health plan/provider choice
External oversight/Medicaid
External oversight/State government program
Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Managed Care Plans

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Advanced Practice Nurses
Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Single Health Care Delivery Organizations

TARGET POPULATION AGE

Age greater than 6 years at the time of discharge

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Mental Health

Wisconsin Medicaid data indicates that as provision of outpatient mental health services increased, readmission to inpatient care settings for mental health care settings has declined. The decline in readmission also corresponded to increased provision of follow-up care within 30 days of discharge from the mental health inpatient setting.

Substance Abuse

The total number of annual inpatient admissions for primary substance abuse (all payer sources and settings) in the state of Wisconsin has increased from 16,488 in 1996 to 17,253 in 1998. The number of admissions per 100,000 population has increased from 310 to 322 in the same time period, a 3.8 percent increase. The national average in admissions per 100,000 population has increased only 0.6 percent in the period. In 1998, admissions for marijuana/hashish were the most frequent accounting for over 78,500, alcohol-related admissions accounted for over 34,700, inpatient episodes of care and cocaine related admissions totaled over 3,400.

Of these inpatient totals in 1998, 6,488 were admitted to acute care hospitals. Of these, 492 were for individuals under the age of 18, 4,552 were for individuals between the ages of 18 and 44 years.

EVIDENCE FOR UTILIZATION

Department of Health and Family Services, Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS. Medicaid encounter data driven improvement core measure set. Madison (WI): State of Wisconsin; 2003 Jan 1. 47 p.

Number of hospitalizations for selected chronic conditions, by age. [internet]. Madison (WI): Wisconsin Department of Health and Family Services, Reference Center, Office of Health Care Information; 1998 [cited 2003 Jun 10].

Treatment Episode Data Set (TEDS). [database online]. Rockville (MD): Office of Applied Studies, Substance Abuse and Mental Health Services Administration; 1992-2000 [cited 2003 Jun 10].

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Medicaid/BadgerCare enrollees age 6 to 20 years and 21 years and older at the time of discharge who were discharged with a selected mental health or substance abuse diagnosis. The enrollee must have been continuously enrolled without breaks for at least 30 days with the same health maintenance organization (HMO) prior to the date of discharge and for at least 30 days after discharge.

DENOMINATOR SAMPLING FRAME

Enrollees or beneficiaries

DENOMINATOR (INDEX) EVENT

Clinical Condition
Institutionalization
Patient Characteristic

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Medicaid/BadgerCare enrollees age 6 to 20 years and 21 years and older at the time of discharge who were discharged with a selected mental health or substance abuse diagnosis. The enrollee must have been continuously enrolled without breaks for at least 30 days with the same health maintenance organization (HMO) prior to the date of discharge and for at least 30 days after discharge. The measure look-back period is 12 months (365 days) from the measure end date, but include in the denominator only those discharges occurring within the first 335 days of the look-back period.

Refer to the original measure documentation for specified International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) mental health and substance abuse diagnosis codes.

If a member has more than one discharge during the look-back period with a principal diagnosis of one of the selected mental health/substance abuse disorders listed in the original measure documentation, that member may be reflected more than once in the sampling frame. However, if a discharge for one of the selected mental health/substance abuse disorders is followed by a readmission or a direct transfer to an acute or non-acute facility for any mental health/substance abuse principal diagnosis within the 30-day follow-up period, only the readmission discharge or the discharge from the facility to which the member was transferred should be counted, provided it meets the clinical criteria.

When the denominator for this measure is less than 30, the measure will not be reported for that HMO, however, the data is available to the HMO upon request. If the denominator for the measure is less than 30 for more than half the participating HMOs, the rate for the measure will be calculated and reported in aggregate as a program-wide indicator.

Exclusions

Do not count enrollees discharged from residential care or rehabilitation programs.

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

The number of discharges in the denominator that were followed by an ambulatory mental health or substance abuse encounter or day/night treatment with a primary care provider within 7 and 30 days of hospital discharge reporting separate rates for each.

The follow-up visit must be with a primary care provider and can be for any mental health/substance abuse diagnosis. Refer to the original measure documentation for primary care provider criteria.

To identify ambulatory mental health/substance abuse follow-up encounters, refer to the original measure documentation for Current Procedural Terminology (CPT-4/2001) codes, Uniform Billing (UB-92) revenue codes, Healthcare Common Procedure Coding System (HCPCS) codes, and Alcohol and Other Drug Abuse (AODA) treatment codes.

Exclusions

Certain individual psychotherapy and interactive psychotherapy services are excluded from the numerator if provided during an acute care inpatient stay or residential care facility, but do count in the numerator if provided during partial hospitalization only. Refer to the original measure documentation for details.

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Administrative data

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Analysis by subgroup (stratification on patient factors)

DESCRIPTION OF ALLOWANCE FOR PATIENT FACTORS

Two age cohorts are reported: Medicare/BadgerCare enrollees age 6 to 20 years and 21 years and older.

STANDARD OF COMPARISON

External comparison of time trends
Internal time comparison
Prescriptive standard

PRESCRIPTIVE STANDARD

Program-wide 2002 aggregate baselines and 2004 performance goals (with input from participating health maintenance organizations [HMOs] based on aggregate baselines) to be established. Goals will be ramped up over time to progressively drive performance improvement.

EVIDENCE FOR PRESCRIPTIVE STANDARD

Department of Health and Family Services, Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS. Medicaid encounter data driven improvement core measure set. Madison (WI): State of Wisconsin; 2003 Jan 1. 47 p.

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

This measure was tested and validated by an independent third party and subject to internal review in 2002.

EVIDENCE FOR RELIABILITY/VALIDITY TESTING

Innovative Resources Group (IRG). Measure testing/validation reports for MEDDIC-MS. Brookfield (WI): Innovative Resources Group (IRG); 2002.

Identifying Information

ORIGINAL TITLE

Post-hospitalization care for mental illness/substance abuse within 7 and 30 days.
Primary care provider follow-up.

MEASURE COLLECTION

[MEDDIC-MS \(Medicaid Encounter Data Driven Improvement Core Measure Set\). Rapid-cycle performance improvement measures system for Medicaid managed care.](#)

MEASURE SET NAME

[MEDDIC-MS \(Medicaid Encounter Data Driven Improvement Core Measure Set\). Measures applicable to AFDC/HS \(Medicaid\) and SCHIP \(BadgerCare\).](#)

MEASURE SUBSET NAME

Targeted Performance Improvement Measures (TPIM)

DEVELOPER

State of Wisconsin, Department of Health and Family Services

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2003 Jan

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

Department of Health and Family Services, Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS. Medicaid encounter data driven improvement core measure set. Madison (WI): State of Wisconsin; 2003 Jan 1. 47 p.

MEASURE AVAILABILITY

The individual measure, "Post-Hospitalization Care for Mental Illness/Substance Abuse within 7 and 30 Days. Primary Care Provider Follow-up," is published in "Medicaid Encounter Data Driven Improvement Core Measure Set (MEDDIC-MS)."

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COMPANION DOCUMENTS

The following are available:

- Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS data book. Medicaid encounter data driven improvement core measure set. Vol. 1, 2002 HMO aggregate performance data. Wisconsin Medicaid and BadgerCare programs. Madison (WI): Wisconsin Department of

- Health and Family Services; 2004 Feb 1. 31 p. This document is available in Portable Document Format (PDF) from the [Wisconsin Medicaid Managed Care Web site](#).
- Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS data book. Medicaid encounter data driven improvement core measure set. Vol. 2, 2002 HMO performance data. Medicaid program data and BadgerCare program data compared. Madison (WI): Wisconsin Department of Health and Family Services; 2004 Feb 1. 25 p. This document is available in PDF from the [Wisconsin Medicaid Managed Care Web site](#).
 - Division of Health Care Financing, Bureau of Managed Health Care Programs. MEDDIC-MS data book. Medicaid encounter data driven improvement core measure set. Vol. 3, 2002 HMO-specific performance data. Wisconsin Medicaid and BadgerCare programs. Madison (WI): Wisconsin Department of Health and Family Services; 2004 Feb 1. 36 p. This document is available in PDF from the [Wisconsin Medicaid Managed Care Web site](#).

NQMC STATUS

This NQMC summary was completed by ECRI on January 30, 2004. The information was verified by the measure developer on February 9, 2004.

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